

VOICE ARCHITECTURE FOR TRANSMISSION OVER A
SHARED, CONTENTION BASED MEDIUM

ABSTRACT OF THE DISCLOSURE

A control terminal such as a CMTS is initialized to receive packets of voice calls having parameters including a bit rate, a packetization interval, and a call identification. A plurality of queues is created to define a corresponding plurality of phases at a sub-multiple of the packetization interval. Voice calls are admitted to the control terminal. The voice calls are distributed among the queues in a predetermined order as the voice calls are admitted and the voice calls removed from the queues as the voice calls are terminated. USGs are periodically issued at the phases defined by the queues. The USGs include a call identification and a grant of bandwidth sufficient to transmit the packets.

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